AMENDMENT TO THE CLAIMS

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

1. (currently amended) A method for generating a GPS Simulation Scenario for ~~therewith~~ simulating a reality driving experiment along a prespecified itinerary, said method ~~being characterized by~~ comprising the ~~following~~ steps of:
   - providing a digitized map data set comprising a geographical region pertaining to said itinerary, and which data set ~~includes~~ including data regarding static environmental features that are present along said itinerary;
   - providing at least one of dynamic and static positional and transmittal data regarding GPS satellites that are potentially relevant for GPS-based position determination along said itinerary;
   - specifying a starting time instant and geographical starting and destination positions of said itinerary and calculating various vehicle routes as based on said digitized map data set, and from said calculated routes determining various sets of vehicle node positions and associated time instants along said itinerary;
   - calculating various instantaneous GPS quality metrics from said at least one of dynamic and~~/or~~ static positional and transmittal data regarding GPS satellites and said static environmental features present along said itinerary ~~calculating various instantaneous GPS quality metrics~~ such that data from said digitized map data set together with advanced knowledge of obstructions is used to compensate for when GPS signals are decreased by the obstructions; and
   - ~~and as~~ calculating an overall GPS performance data quantity pertaining to said itinerary based on said various GPS quality metrics and associated time instants ~~calculating an overall GPS performance data quantity pertaining to said itinerary~~.

2. (previously presented) The method according to claim 1, further comprising the step of allowing a user-controlled amending of at least one of said

calculated time instants and vehicle node positions along said itinerary.

3. (original) The method according to claim 1, further comprising the step of dividing said itinerary in sections, whilst on the basis of any single said section calculating said GPS quality metrics.

4. (original) The method according to claim 3, wherein each said section has a substantially uniform value for its quality metric.

5. (currently amended) The method according to claim 1, further comprising the step of allowing application of the simulation scenario regarding off-road vehicles through inter alia allowing off-road sections.

6. (original) The method according to claim 1, wherein said overall GPS performance data quantity is fed into a further user system for testing a user performance level of said user system.

7. (original) The method according to claim 1, further comprising the step of through applying variations on a test environment applying to approach a worst case.

8. (currently amended) An apparatus being arranged for generating a GPS Simulation Scenario for therewith simulating a reality driving experiment along a prespecified itinerary, comprising:

- means for generating a GPS Simulation Scenario for therewith simulating a reality driving experiment along a prespecified itinerary;
- map data storage means for providing a digitized map data set comprising a geographical region pertaining to said itinerary, and which data set includes data regarding static environmental features that are present along said itinerary;
- satellite data storage means for providing dynamic and static positional and transmittal data regarding GPS satellites that are potentially relevant for GPS-based position determination along said itinerary;

- user input means for allowing to specify a starting time instant and geographical starting and destination positions of said itinerary into first calculating means that is also fed by said map data storage means for calculating various vehicle routes as based on said digitized map data set, and from said calculated routes determining various sets of vehicle node positions and associated time instants along said itinerary;
- second calculating means fed by said first calculating means and by said satellite data storage means from at least one of said dynamic and static positional and transmittal data regarding GPS satellites, said static environmental features present along said itinerary and said various vehicle routes calculating various instantaneous GPS quality metrics such that said digital map data is available to compensate for GPS satellite signal obstruction,
- and as based on said various GPS quality metrics and associated time instants calculating an overall GPS performance data quantity pertaining to said itinerary.